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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/074,193	02/12/2002	Hui Shi	PW 0249741/P12833	4362
75	7590 04/21/2005		EXAMINER	
PILLSBURY WINTHROP LLP			KIM, KEVIN	
Suite 2800 725 South Figueroa Street			ART UNIT	PAPER NUMBER
Los Angeles, CA 90017-5406			2634	

DATE MAILED: 04/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

· i			H.A			
	Application No.	Applicant(s)	——————————————————————————————————————			
	10/074,193	SHI ET AL.				
Office Action Summary	Examiner	Art Unit	<u> </u>			
	Kevin Y Kim	2634				
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet w	ith the correspondence addres	s			
A SHORTENED STATUTORY PERIOD FOR R THE MAILING DATE OF THIS COMMUNICAT - Extensions of time may be available under the provisions of 37 Of after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a con. , a reply within the statutory minimum of thir period will apply and will expire SIX (6) MON statute, cause the application to become Af	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this commur BANDONED (35 U.S.C. § 133).	nication.			
Status						
1) Responsive to communication(s) filed on	<u>2-12,8-13-2002</u> .					
· · ·	☐ This action is FINAL . 2b)☐ This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice ur	ider <i>Ex par</i> re Quayie, 1935 C.L). 11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-29</u> is/are pending in the applic	ation.					
4a) Of the above claim(s) is/are with	thdrawn from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7)⊠ Claim(s) <u>1-29</u> is/are objected to. 8)□ Claim(s) are subject to restriction a	and/or election requirement					
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Application Papers	·					
9) The specification is objected to by the Exa						
10)⊠ The drawing(s) filed on <u>12 February 2002</u>		•				
Applicant may not request that any objection t		• •	404(4)			
Replacement drawing sheet(s) including the c	,	• • •				
	TIC Examiner. Note the attached	Joined Addon of John 1 10-10	<i>52.</i>			
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for for a laim for for a laim for for a laim for for for for for for for for for for		} 119(a)-(d) or (f).				
2. Certified copies of the priority docu						
3. Copies of the certified copies of the	•	received in this National Stag	je			
application from the International B	` ' ' '	rospinod				
* See the attached detailed Office action for	a list of the certified copies not	received.				
•						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-94)	4) Interview S	Summary (PTO-413) s)/Mail Date				
 Notice of Draftsperson's Patent Drawing Review (PTO-94 Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date <u>2/12/02</u>. 		nformal Patent Application (PTO-152))			

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DETAILED ACTION

Claim Objections

1. Claims 1-29 are objected to because of the following informalities:

Claim 1.

- 1) on line 2, change of "for" to "having" would better described the claimed invention.
- 2) on line 5, change of "the input signal" to "the delayed input signal" enhances the readability since it refers back to "a delayed input signal" rather than "an input signal."
- 3) on line 11, "to the delayed input signal and" is missing after "adjustment sizes" because the provision of the adjustment sizes to the delayed input signal as well as to the two intermediate output signal is essential to "produce an equalized output signal" recited on lines 11-12.

Claim 3.

- 1) on line 5, change of "the input signal" to "the delayed input signal" enhances the readability since it refers back to "a delayed input signal" rather than "an input signal."
- 2) on line 11, "to the delayed input signal and" is missing after "adjustment sizes" because the provision of the adjustment sizes to the delayed input signal as well as to the two intermediate output signal 1 is essential to "produce an equalized output signal" recited on lines 11-12.

Claim 8.

On line 5, change of "the input signal" to "the delayed input signal" would enhance the readability since it refers back to "a delayed input signal" rather than "an input signal."

Claim 17.

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On line 11, change "the channel frequency response" to "a channel frequency response" to avoid the lack of antecedent basis.

Claim 22.

On lines 2-3, change of "the input signal" to "a delayed input signal" would enhance the readability since adjustment is made to a delayed input signal and not to an input signal itself.

Claim 25.

On line 7, "to the delayed input signal and" is missing after "adjustment sizes" because the provision of the adjustment sizes to the delayed input signal as well as to the two intermediate output signal is essential in order to "produce an equalized output signal" recited on lines 8-9.

The remaining claims are objected as they included the objected-to subject matter of respective base claims.

Appropriate correction is required.

- 2. Claims 1-29 would be allowable if rewritten or amended to overcome the objection (s) set forth above in this Office action.
- 3. The following is a statement of reasons for the indication of allowable subject matter: No prior art has been found to teach or suggest a transmit equalizer that generates two "intermediate output signals" and a delayed input signal wherein equalization step sizes are selectively applied to the signals to produce an equalized output signal compensated for a channel frequency response.

Conclusion

4. This application is in condition for allowance except for the following formal matters:

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See the above paragraphs listing formal matters in connection with the language of the claims.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Tang et al (US 6,570,406) discloses a pre-emphasis equalization.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Y Kim whose telephone number is 571-272-3039. The examiner can normally be reached on 8AM --5PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 571-272-3056. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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